

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

City of Seattle

Project No 2144-006  
Washington

ORDER APPROVING WILDLIFE MANAGEMENT PLAN  
WITH MODIFICATION

(Issued November 10, 1988)

On February 1, 1988, the City of Seattle, Washington, licensee for the Boundary Project, filed a wildlife mitigation plan (plan) for the Boundary Wildlife Preserve (preserve) as required by ordering paragraph (B) of the order approving wetlands mitigative plan issued on March 20, 1987. The preserve is a 155-acre area of wetlands and associated uplands, adjacent to the project reservoir on the Pend Oreille River. The plan provides the results of inventories for plant communities, wildlife, and hydrologic characteristics, measures to protect and enhance wildlife, monitoring techniques, and an implementation schedule.

Generally, the licensee proposes to maintain and enhance the wildlife populations of the preserve in coordination with the Washington Department of Wildlife. Management measures include the following: (1) elimination of noxious plant species, where feasible, to encourage native plant species; (2) retain snags as perching and nesting habitat for birds; (3) selective thinning to encourage the development of mature and old-growth forests; (4) maintain and enlarge the outlet channel, if necessary, to retain existing pools in approximately their present condition; and (5) install an experimental outlet barrier to retain water at higher levels during summer and fall drawdowns of the reservoir. The licensee also proposes to allow local conservation and school groups to conduct scientific studies on the preserve and participate in monitoring activities.

The licensee proposes to initiate implementation of the plan in 1988 and 1989, and to conduct regular visits (two to three times per year) to the site for monitoring of wildlife, vegetation, and hydrology. Further, the licensee proposes to conduct additional studies prior to initiating any major actions.

The U.S. Fish and Wildlife Service and the Washington Department of Game (currently the Washington Department of Wildlife), by letters dated January 12 and January 15, 1988, respectively, generally concur with the plan. The recommendations of the agencies have been incorporated into the final plan.

DC-A-8

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To provide the Commission the opportunity to evaluate the success of the wildlife management plan, the licensee should file yearly reports to document the implementation status of proposed measures, results of monitoring of completed measures, results of any additional studies conducted, and any proposed revisions to the plan.

Implementation of the plan, with the modifications described herein, would provide adequate mitigation for the impacts on wetlands vegetation resulting from project development.

The Director orders:

(A) The wildlife management plan filed on February 1, 1988, as modified by paragraph (B), is approved.

(B) The licensee shall file with the Commission annual reports on the wildlife management plan to document the status of implementation of proposed measures, results of monitoring of completed measures, results of any additional studies conducted, and any proposed revisions to the plan. Each report shall contain comments from the U.S. Fish and Wildlife Service and the Washington Department of Wildlife, and shall be filed yearly by December 31 from 1988 through 1992. The Commission reserves the right to require modifications to the plan and the reporting requirements.

(C) This order is issued under authority delegated to the Director and is final unless appealed to the Commission under Rule 1902 within 30 days from the date of this order.

*Joseph B. Mayhew*  
J. Mark Robinson  
Director, Division of Project  
Compliance and Administration

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

City of Seattle, Washington, ) Project No. 2144-002  
City Light Department

ORDER AMENDING LICENSE

(Issued July 18, 1986)

The City of Seattle, Washington, City Light Department, licensee for the Boundary Project, filed on June 20, 1986, an application to amend article 51.

Article 51 requires the licensee to construct an artificial slough to mitigate primarily for the loss of waterfowl habitat resulting from project construction. Based on concerns regarding the biological effectiveness, maintenance, and feasibility of the slough, the licensee now proposes to replace its original proposal to construct the slough with a proposal to acquire in fee title or sufficient interest to preserve in perpetuity existing wetlands in the vicinity of the project. The U.S. Fish and Wildlife Service (FWS) and the Washington Department of Game (WDG) concur with the licensee's new proposal.

Considering the potential difficulties involved with the development of the artificial slough, it is appropriate for the licensee to develop alternative measures to mitigate impacts to waterfowl. The preservation of existing wetlands, along with measures to enhance waterfowl use of the wetlands, would provide similar or greater benefits to waterfowl and other wildlife species than the original proposal. Therefore, article 51 is amended herein to allow the licensee, in lieu of the slough construction, to file a plan that provides for the acquisition, preservation, and management of wetland habitat. The plan must be developed after consultation with FWS and WDG.

The Director Orders:

(A) Article 51 is amended as follows:

Article 51. The licensee, after consultation with the U.S. Fish and Wildlife Service (FWS) and the Washington Department of Game (WDG), shall file for Commission approval, within 1 year from the date of issuance of this order, a wetlands mitigative plan.

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The plan shall contain: provisions for the acquisition and preservation of wetlands and associated uplands within 5 miles of the Pend Oreille River downstream from Newport, Washington; map locations and a general description of the vegetative cover and existing and potential use of the wetlands by waterfowl and other wildlife species; and measures to protect and enhance the use of the wetlands by waterfowl and other wildlife species. Comments of the FWS and WDG on the plan shall be included in the filing. The Commission reserves the right to require changes to the plan.

(B) This order is issued under authority delegated to the Director and is final unless appealed to the Commission under Rule 1902 within 30 days from the date of this order.

Sincerely,

  
for Richard T. Hunt  
Director, Office of  
Hydropower Licensing

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

City of Seattle, Washington,  
City Light Department

Project No. 2144-085

ORDER APPROVING WETLANDS MITIGATIVE PLAN

(Issued March 20, 1987)

On February 24, 1987, the City of Seattle, Washington, City Light Department, licensee for the Boundary Project, PERC No. 2144, filed a wetlands mitigative plan pursuant to article 51 of the license. The plan provides for the acquisition and preservation of 155 acres of wetlands and associated uplands (Boundary Wildlife Preserve) adjacent to the project reservoir on the Pend Oreille River. The Washington Department of Game (letter dated January 27, 1987) and the U.S. Fish and Wildlife Service (letter dated January 16, 1987) support the plan.

Preservation of the wildlife habitat, which was scheduled for commercial development, will maintain the habitat's use by waterfowl, deer, aquatic furbearers, and a variety of other wildlife species. The licensee, however, has not filed a wildlife management plan for the site, as required by article 51. The licensee proposes to file the management plan in 1988 after a site inventory that will be conducted during the summer of 1987. Such a schedule is reasonable. Therefore, the licensee is required to file a wildlife management plan no later than January 31, 1988.

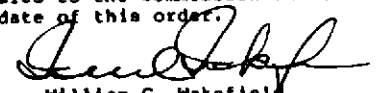
The Director orders:

- (A) The wetlands mitigative plan, filed on February 24, 1987, is approved.
- (B) The licensee, after consultation with the U.S. Fish and Wildlife Service and the Washington Department of Game, shall file for Commission approval, no later than January 31, 1988, a wildlife management plan for the 155-acre Boundary Wildlife Preserve. The plan shall include: the results of a site inventory of plant communities, wildlife, and hydrologic characteristics; measures to protect and enhance use of the site by wildlife; and monitoring requirements. An implementation schedule and agency comments shall be included in this filing. The Commission reserves the right to make changes to the plan.

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- (C) This order is issued under authority delegated to the Director and is final unless appealed to the Commission under Rule 1902 within 30 days from the date of this order.

  
William C. Wakefield  
Acting Director, Division of  
Project Management

FEDERAL ENERGY  
REGULATORY COMMISSION  
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WASHINGTON, D.C. OFFICE

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

## Fish and Wildlife

Department of Lighting )  
City of Seattle, Washington )

Project No. 2144-001

Order Approving Fish and Wildlife Mitigation Plan  
and Amending License

( Issued January 10, 1983 )

The City of Seattle, Washington, Department of Lighting, (Licensee) filed on October 22, 1982, a feasibility report containing a mitigation plan for approval 1/, pursuant to Article 51 2/ of the license for the Boundary Project, FERC No. 2144-001, issued April 26, 1982.

Licensee consulted with the Washington Department of Game (WDG) and the U.S. Fish and Wildlife Service (USFWS) in the preparation of the feasibility report on the development of subimpoundments

1/ Authority to act on this matter is delegated to the Director, Office of Electric Power Regulation, under §375.308 of the Commission's regulations, 18 C.F.R. §375.308 (1981). This order may be appealed to the Commission within 30 days of its issuance pursuant to Rule 1902, 18 C.F.R. 385.1902, 47 Fed. Reg. 19047 (1982). Filing an appeal and final Commission action on that appeal are prerequisites for filing an application for rehearing as provided in Section 313(a) of the Act. Filing an appeal does not operate as a stay of the effective date of this order or of any other date specified in this order, except as specifically directed by the Commission.

2/ Article 51. The Licensee shall consult with the Washington Department of Game and the U.S. Fish and Wildlife Service to identify areas of Boundary Reservoir suitable for development as subimpoundments to improve habitat for fish spawning and waterfowl nesting. Within 6 months after issuance of this order, the Licensee shall file a report with the Commission, and for approval, recommended measures for constructing subimpoundments of the reservoir which would provide relatively stable water levels, and a schedule for establishing the subimpoundments. The report should also include the resource agencies consulted on the final recommendations.

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within Boundary Reservoir to improve habitat for fish spawning, particularly largemouth bass, and for waterfowl. Agency comments on the feasibility report were included as part of the filing.

The feasibility report indicates that Boundary Reservoir supports a good trout population. Agency comments conclude that Boundary Reservoir should be managed for the existing trout populations and that efforts to enhance the largemouth bass fishery should be abandoned. Licensee and the agencies agree that the development of subimpoundments would be inappropriate to achieve the above-stated objective. Licensee, therefore, proposes no further action towards constructing subimpoundments for fishery management within Boundary Reservoir.

Licensee investigated several design criteria and options for increasing the habitat for waterfowl nesting and brooding. Licensee recommended modifying an area on the reservoir (Site 32.8W), to create an artificial slough that would provide habitat for waterfowl, wading birds, and mammals, as well as cover for fish during periods of high flow. Licensee has not, however, provided a specific design for the slough. Additional site-specific data on water levels must be collected and analyzed in order to determine the optimum slough design. Licensee plans to conduct such a study during 1983 and is prepared to implement the proposed construction in 1984.

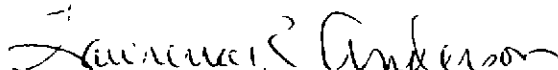
The USFWS and WDG concur with Licensee's recommendation to construct an artificial slough to increase waterfowl habitat. To implement this proposal, the Licensee should, after consultation with the resource agencies, file a plan that identifies which design has been selected for the development of waterfowl habitat.

On the basis of the agencies' comments and the Commission staff's analysis and review, the fish and wildlife mitigation plan, consisting of the proposal to construct an artificial slough, is approved herein.

It is ordered that:

- (A) Pages 3-21 through 3-27 of the Feasibility Report and Plan, filed on October 22, 1982, in compliance with Article 51, are approved.
- (B) Article 51 of the license for Project No. 2144 is revised to read as follows: Licensee shall, in consultation with the Washington Department of Game and the U.S. Fish and Wildlife Service, prepare a plan containing details of the final design of the slough at Site 32.8 W, and shall file this plan, with comments from the consulted agencies, with the Director, Office of Electric Power Regulation within 1 year from the date of issuance of this order. The Director reserves the right to require changes in the plan.

- (C) Licensee's failure to file a petition appealing this order to the Commission shall constitute acceptance of the order. In acknowledgement of acceptance of the order and the terms and conditions contained therein the Licensee shall sign and return the order to the Commission within 60 days from the date of issuance of this order.

  
Lawrence R. Anderson  
Director, Office of Electric  
Power Regulation

Project No. 2144-001

IN TESTIMONY of its acknowledgement of acceptance of all of the terms and conditions of this Order, Department of Lighting, City of Seattle, Washington, this \_\_\_\_ day of \_\_\_\_\_, 1983, has caused its corporate name to be signed hereto by \_\_\_\_\_ its \_\_\_\_\_ President, and its corporate seal to be affixed hereto and attested by \_\_\_\_\_, its \_\_\_\_\_ Secretary, pursuant to a resolution of its Board of Directors duly adopted on the \_\_\_\_ day of \_\_\_\_\_, 19\_\_, a certified copy of the record of which is attached hereto.

Department of Lighting,  
City of Seattle, Washington

By \_\_\_\_\_  
President

Attest:

\_\_\_\_\_  
Secretary